



ALLOWABLE RANGES TABLE		
FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:		
A. NORMAL CROWN		
SECTION WITH GRADES 0.5% OR GREATER		SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM		0.0156 FT/FT - MINIMUM
0.0208 FT/FT - DESIRABLE		0.0208 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM		0.0300 FT/FT - MAXIMUM
B. SUPERELEVATION RATE		
S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.		
C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)		
	RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM	1:150	0.67%
DESIRABLE	1:200	0.50%
MAXIMUM	1:300	0.33%
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.		
D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES		
50% OF TRANSITION INSIDE CURVE - MAXIMUM		
33% OF TRANSITION INSIDE CURVE - DESIRABLE		
20% OF TRANSITION INSIDE CURVE - MINIMUM		
NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.		
E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).		